The Project:
Design an modular equipment configuration able to weld metal sheet component, nuts and/or studs.

Required resources:
This type of projects are leaded by experienced engineers with extended knowledge about all the components integrated in welding equipment. CAD Resources: Autodesk INVENTOR 2011.

Features:
The project requires analysis of the pressed sheets 3D model, supplied by the customer, in order to generate the welding machine configuration. Actuators are selected according to the required welding force and stroke. Electrodes geometry are designed according to the elements that will be welded. Solutions for loading / unloading of welding components are developed to best fit customer requests. The welding machine is designed so that it can be quickly converted towards a new customer application.

Achievements:
Modular welding machines are high productive equipment that allows in a cycle of loading / unloading the welding of several components.